

Schreiber, David

78193

Fr m: Steadman, David (AU1652)  
Sent: Thursday, October 17, 2002 12:57 PM  
To: Schreiber, David  
Subject: 09/583,310 sequence search request

NAME: David Steadman  
AU: 1652  
Date: 10/17/02  
Office: 10D-04  
Mailbox: 10D-01  
Case Serial #: 09/583,310

Please search the following sequences in commercial and interference databases:

- 1) Standard search of SEQ ID NO:6 (polypeptide sequence) against **nucleic acid** databases.
- 2) Standard search of SEQ ID NO:8 (polypeptide sequence) against **nucleic acid** databases.

*Please save search results to diskette.*

Thank you very much.

David J. Steadman  
Art Unit 1652  
Crystal Mall 1 Room 10D-04  
703-308-3934

Db 1141 ACAGTTGACCTCCAGTCCCGCTGGGCAGCACAAAGTAATAAAGGGAACCTGTACTTTGCCT 1200

Qy 401 SerMetGluAspMetMetAsnAspIleAsnGluLysMetGluLysLysArgLysTrpPhe 420  
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Db 1201 TCTATGGAAGACATGATGAATGATATTAATGAGAAAATGGAGAAAAAGCGCAAATGGTTT 1260

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Db 1261 GGCAAAAGCGAGACCATACAGACAGATTACATTGTTTATATGGATGAACCTCTCCTCCTTC 1320

Qy 441 IleGlyAlaLysProAsnIleProTrpLeuPheLeuThrAspProLysLeuAlaMetGlu 460  
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Db 1321 ATTGGGGCAAAGCCCAACATCCCATGGCTGTTTCTCACAGATCCCAAATGGCCATGGAA 1380

Qy 461 ValTyrPheGlyProCysSerProTyrGlnPheArgLeuValGlyProGlyGlnTrpPro 480  
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Qy 481 GlyAlaArgAsnAlaIleLeuThrGlnTrpAspArgSerLeuLysProMetGlnThrArg 500  
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Db 1441 GGAGCCAGAAATGCCATACTGACCCAGTGGGACCGGTCGTGAAACCCATGCAGACACGA 1500

Qy 501 ValValGlyArgLeuGlnLysProCysPhePhePheHisTrpLeuLysLeuPheAlaIle 520  
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SEQ ID NO: 6  
 AA → NA

# RESULT 2

## HSFMO3

LOCUS HSFMO3 1913 bp mRNA linear PRI 17-APR-1996

DEFINITION H.sapiens mRNA for flavin-containing monooxygenase 3 (FMO3).

ACCESSION Z47552

VERSION Z47552.1 GI:623239

KEYWORDS flavin-containing monooxygenase 3.

SOURCE human.

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 1913)

AUTHORS Dolphin,C.T., Cullingford,T.E., Shephard,E.A., Smith,R.L. and  
 Phillips,I.R.

TITLE Differential developmental and tissue-specific regulation of  
 expression of the genes encoding three members of the  
 flavin-containing monooxygenase family of man, FMO1, FMO3 and FMO4

JOURNAL Eur. J. Biochem. 235 (3), 683-689 (1996)

MEDLINE 96184548

REFERENCE 2 (bases 1 to 1913)

AUTHORS Dolphin,C.T.

TITLE Direct Submission

JOURNAL Submitted (12-JAN-1995) Colin T Dolphin, Biochemistry, Queen Mary  
 and Westfield College, University of London, Mile End Road, London,  
 E1 4NS, UK

FEATURES Location/Qualifiers

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mRNA 1. .1913

CDS 94. .1692

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3'UTR 1693. .>1913  
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 Best Local Similarity: 99.62% Mismatches: 0  
 Query Match: 99.75% Indels: 0  
 DB: 9 Gaps: 0

US-09-583-310-6 (1-532) x HSFMO3 (1-1913)

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AA -> NA

SEQ ID NO:8  
 HSFMO3  
 LOCUS HSFMO3 1913 bp mRNA linear PRI 17-APR-1996  
 DEFINITION H.sapiens mRNA for flavin-containing monooxygenase 3 (FMO3).  
 ACCESSION Z47552  
 VERSION Z47552.1 GI:623239  
 KEYWORDS flavin-containing monooxygenase 3.  
 SOURCE human.  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;  
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 1913)  
 AUTHORS Dolphin,C.T., Cullingford,T.E., Shephard,E.A., Smith,R.L. and  
 Phillips,I.R.  
 TITLE Differential developmental and tissue-specific regulation of  
 expression of the genes encoding three members of the  
 flavin-containing monooxygenase family of man, FMO1, FMO3 and FMO4  
 JOURNAL Eur. J. Biochem. 235 (3), 683-689 (1996)  
 MEDLINE 96184548  
 REFERENCE 2 (bases 1 to 1913)  
 AUTHORS Dolphin,C.T.  
 TITLE Direct Submission  
 JOURNAL Submitted (12-JAN-1995) Colin T Dolphin, Biochemistry, Queen Mary  
 and Westfield College, University of London, Mile End Road, London,  
 E1 4NS, UK  
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 3'UTR 1693. .>1913  
 BASE COUNT 535 a 414 c 445 g 519 t  
 ORIGIN

# Alignment Scores:

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Score:	2834.00	Matches:	531
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Best Local Similarity:	99.81%	Mismatches:	0
Query Match:	99.89%	Indels:	0
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US-09-583-310-8 (1-532) x HSFMO3 (1-1913)

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Qy	41	TrpLysPheSerAspHisAlaGluGluGlyArgAlaSerIleTyrLysSerValPheSer	60
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